

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082125\
 Data File : VL042867.D
 Acq On : 21 Aug 2025 14:43
 Operator : SY/MD
 Sample : VL0821ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0821ABL01

Quant Time: Aug 22 01:23:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.793	49	130204	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	388987	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	334020	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	253717	10.128	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.300%

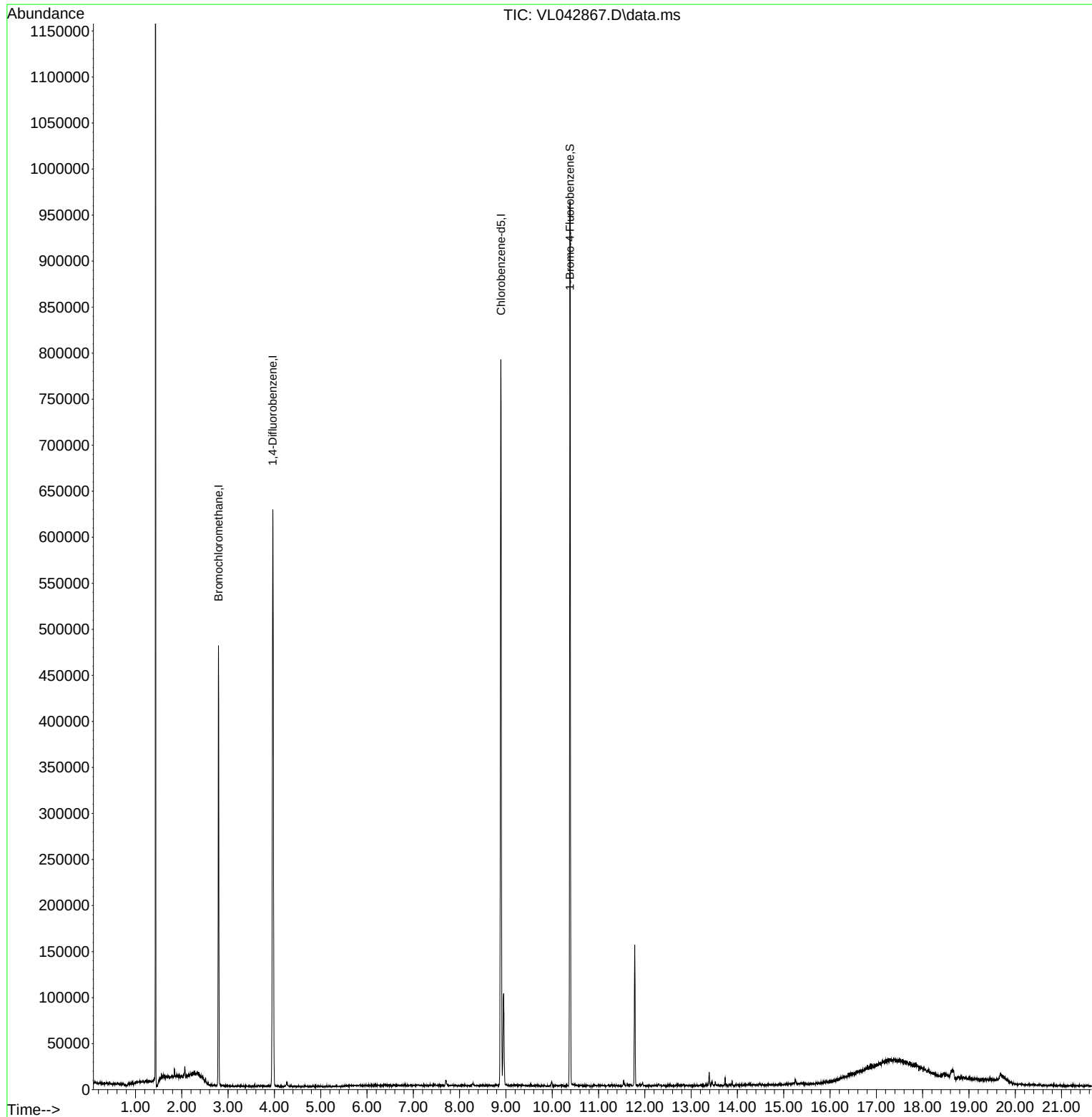
Target Compounds	Qvalue

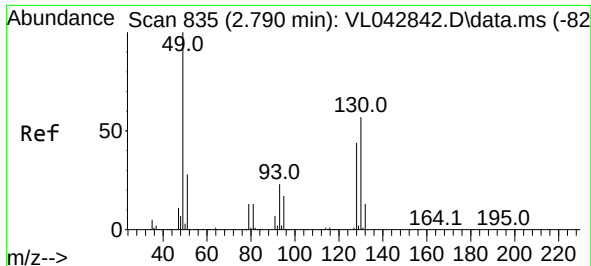
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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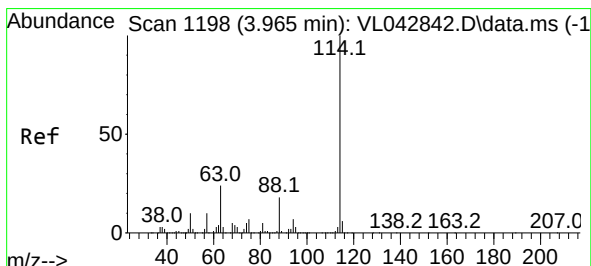
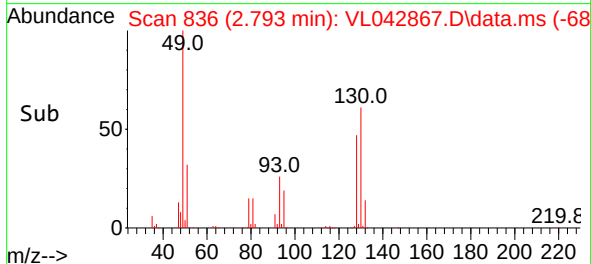
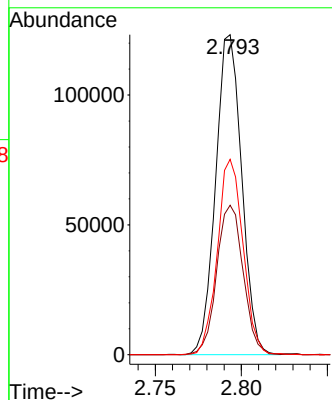
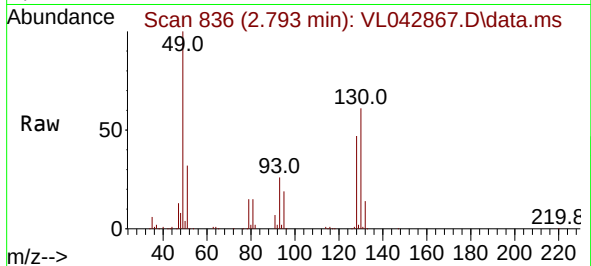




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.793 min Scan# 835
 Delta R.T. 0.003 min
 Lab File: VL042867.D
 Acq: 21 Aug 2025 14:43

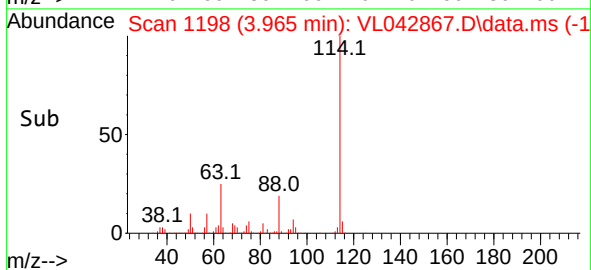
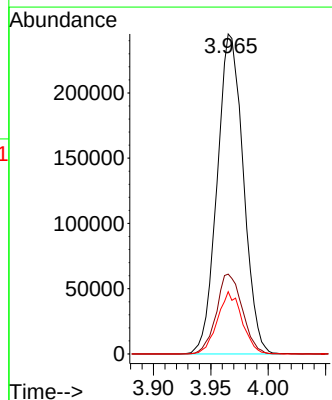
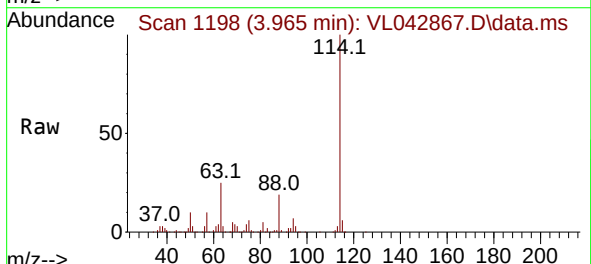
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0821ABL01

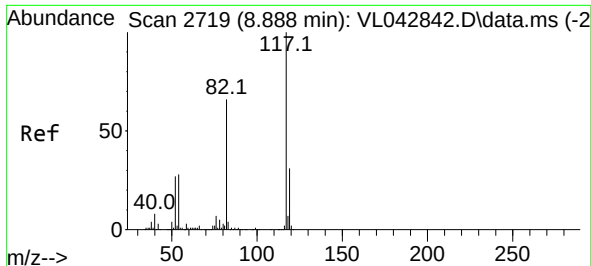
Tgt Ion: 49 Resp: 130204
 Ion Ratio Lower Upper
 49 100
 128 47.4 23.7 71.1
 130 60.1 30.6 91.6



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.965 min Scan# 1198
 Delta R.T. -0.000 min
 Lab File: VL042867.D
 Acq: 21 Aug 2025 14:43

Tgt Ion: 114 Resp: 388987
 Ion Ratio Lower Upper
 114 100
 63 24.8 19.7 29.5
 88 18.2 14.4 21.6

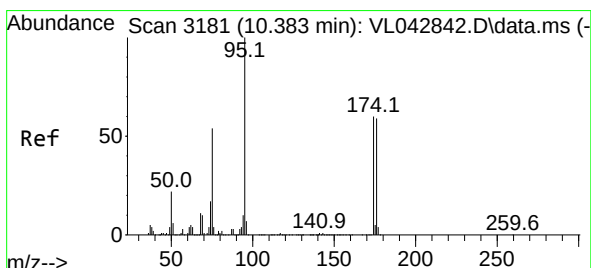
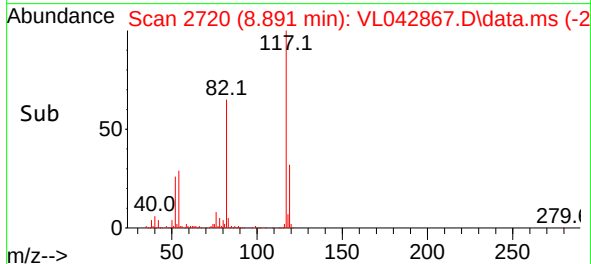
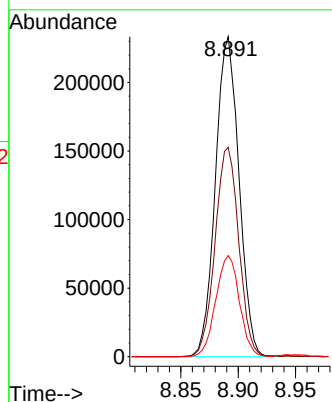
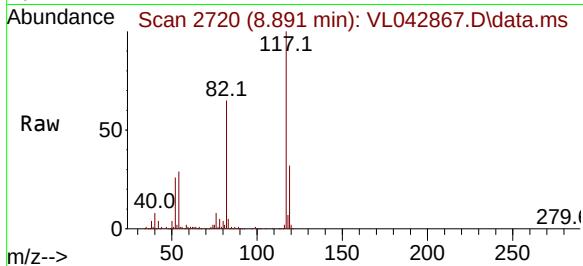




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042867.D
Acq: 21 Aug 2025 14:43

Instrument :
MSVOA_1
ClientSampleId :
VL0821ABL01

Tgt Ion:117 Resp: 334020
Ion Ratio Lower Upper
117 100
82 65.9 54.6 81.8
119 31.6 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.128 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. -0.000 min
Lab File: VL042867.D
Acq: 21 Aug 2025 14:43

Tgt Ion: 95 Resp: 253717
Ion Ratio Lower Upper
95 100
174 56.3 48.4 72.6
175 4.0 3.8 5.8

